

SIEMENS

SIOS

SP

System

Installation Protocol

Siemens Integrated OR System **55 37 027**

SIOS Seriennummer: _____

Kunde : _____

Betriebsort : _____

Land : _____

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Print No.: SPR1-130.813.11.01.02

Replaces: n.a.

English

Doc. Gen. Date: 08.02

Chapter	Page	Revision
all	all	01

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

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General Information

An installation protocol is issued for each SIOS. The serial number, customer name, country, and installation location are entered on the cover sheet. The installer signs the installation protocol and then gives it to the personnel responsible for start-up. One copy remains with the installer, another must be sent to:

Siemens Medical Solutions

GG SP Logistics SPL 1

91052 Erlangen

Henkestr. 127

Germany

Orientation and Completion Information

The protocol steps are divided in the same manner as the chapters in the Installation Instructions. Once an installation step has been performed and completed without problems, mark the required field with a check mark.

Non-applicable questions should be marked "n.a." (Example 1).

Label correct labeling in accordance with the list of labels

Ser. No. enter serial numbers for individual components

PE protective conductor connected

M/S preliminary steps for maintenance and service

o.k. entire work step has been completed in accordance with Installation Instructions

Example 1: All steps have been performed without significant problems.

The Remarks field is completed with n.a.



Chapter from Installation Instructions	Label: Ser. No. ✓	PE: n.a.	M/S: n.a.	o.k. ✓
Remarks: n.a.				
Chapter from Installation Instructions	Label: n.a. Ser. No.	PE: ✓	M/S: ✓	o.k. ✓
Remarks: n.a.				

All entries are made manually. The technician performing the work enters his name, date, and initials at the bottom of each page.

Name	Date	Initials
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Example 2: Not all steps could be performed smoothly.

The work could not be performed as planned or could not be completed.

Chapter from Installation Instructions	Label: Ser. No.	PE:	M/S:	o.k.	
Remarks: missing or incorrect: information, materials, tools, onsite preparation - Missing / incorrect data in the room plan: Unfinished ceiling has lower room height - Missing / incorrect components delivered: old model of 12 V power supply - Insufficient storage area for fast flow of materials into OR - Ceiling-based heating/cooling system not ready					
Chapter from Installation Instructions	Label: Ser. No.	PE:	M/S:	o.k.	
Remarks: missing or incorrect: information, materials, tools, onsite preparations For details, refer to the attachment "Comments"					

Tab. 1 Table D with title cells

Deviations from the planned procedure are noted in the Remarks field. Provide a brief description of the reasons. Any additional information required should be entered under "Comments".

Enter an "X" in the o.k. field if the work could not be completed. At the end of the protocol, enter the anticipated schedule for subsequent work.

If the step could be completed with additional work, mark the "X" with a circle. Enter the type and scope of this additional work under "Comments".

Material Inspection

Inspect and compare the delivery to the planned configuration of the SIOS basic equipment and options. Confirm completeness and on-time delivery by entering a check mark in the following list. Note any deviations under "Comments".

Standard Delivery Volume

Item	Delivery package	Manufacturer	o.k.
1	1x Ondaspace ceiling mounting bracket and 1x Ondascope	Ondal / 55 36 276	
2	Tandem interface plate	Ondal / 55 36 615	
3	1 Support arm system (Ondaspace)	Ondal / 55 36 250	
4	Single interface plate	Ondal / _____	
5	Ceiling-mounted supply arm for device box Cantilever arm combination (Ondascope) (*1)	Ondal / 800 - 55 37 092 Ondal / 1200 - 55 37 100 Ondal / 1600 - 55 37 118 Ondal / 2200 - 55 37 126	
6	Preinstallation kit for room cable VK2; VK5/1	ITD / 55 36 599	
7	Upper section of electronics cabinet	ITD / 55 36 607	
8	Lower section of electronics cabinet	ITD / 55 36 235	
9	Device box	ITD / 55 36 573	
10	Electronics kit	Siemens / 55 36 284	
11	Power supply unit	Siemens / 55 36 136	
12	MTS basic kit	Haseke / 55 36 243	
13	MTS height adjustment kit	Ondal / _____ (*2)	
14	Light flange for Tandem	_____/_____ (*3)	
15	Hand input device	Sasse / 55 36 219	
16	Headset	MID / 55 36 490	
18	Keyboard	Siemens / _____ (*4)	
19	Modem	Multitec / _____ (*4)	

*1 = Combination depends on the contract for room planning.

*2 = Linked to contract according to room height (room planning).

*3 = Reuse light with Tandem.

*4 = Depends on the country code.

Name	Date	Initials
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Delivery Volume for Options

Item	Delivery package	Manufacturer	com p.
1	PAL video printer	Sony / 51 43 263	
2	PAL video recorder	Sony / 51 43 115	
3	Support arm system 2 (Ondaspace)	Ondal / 55 36 268	
4	MTS basic kit	Haseke / 55 36 243	
5	Cable set for MTS support arm 2 (VK5/2)	Siemens / 55 36 383	
6	MTS 2 height adjustment kit	Ondal / _____ (*2)	
7	2nd TFT 18" monitor	Siemens / 55 36 078	
8	2nd 18" grip module	Siemens / 55 36 540	
9	3rd TFT 18" image monitor	Siemens / 55 36 078	
10	3rd 18" grip module	Siemens / 55 36 540	
11	2nd TFT 15" menu monitor	Siemens / 55 36 060	
12	2nd 15" grip module	Siemens / 55 36 557	
13	2nd MPS multi-power supply	Artesyn / 30 82 179	

Tab. 1 Table D with title cells

NOTICE

Items 3-8; 9-10; 11-13 are delivered individually, however, they are part of options available. If one of the items is included in this context, the others are required as well.

Name	Date	Initials
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Country List (Modem / Keyboard)

Country	Keyboard / order number	Modem / order number
Germany	D / 30 80 900	D / 30 76 940
Luxembourg	D / 30 80 900	Lx / 30 82 674
Austria	D / 30 80 900	Aus / 30 82 732
The Netherlands	D / 30 80 900	NL / 30 82 658
Belgium	BE / 30 80 918	BE / 30 82 641
Switzerland	CH / 30 80 926	CH / 30 82 724
Spain	ES / 30 80 934	ES / 30 82 666
Italy	IT / 30 80 959	IT / 30 82 708
Norway	NO / 30 80 967	NO / 30 82 682
Sweden	SF / 30 80 975	SF / 30 82 690
Great Britain	GB / 30 80 942	GB / 30 76 965
Ireland	GB / 30 80 942	IR / 30 82 716

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Starndard Equipment Serial No.

Item	Component	Manufact urer	Type	Order No.	Serial No.
1	Complete SIOS System	Siemens	SIOS	55 37 027	
2	Electronics cabinet	ITD	KD0531.1	55 36 235	
3	Ceiling anchor plate	Ondal	n.a.	55 36 276	
4	Interface plate	Ondal	Tandem	55 36 615	
5	Spacearm 1	Ondal	OSP 40 kg	18 48 158	
6	Monitor support system	Haseke	MTS	55 36 243	
7	Device box	ITD	KD0530.1	55 36 573	
8	Interface plate	Ondal	Single	55 37 084	
9	Flange for Ondascope	Ondal	n.a.	56 09 004	
10	Ondascope cantilever arm	Ondal	n.a.	55 37 118	
11	Menu monitor	Siemens	SCD1597-AP	55 36 060	
12	Image monitor	Siemens	SCD1897-AL	55 36 078	
13	SIOS PC	Siemens	Primergy 170	56 49 624	
14	Power supply unit	Siemens	PSU	55 36 136	
15	UPS	APC	Smart UPS	55 36 581	
17	Control - audio interface	Siemens	J 1049	56 50 705	
18	RS232 Distributor	Siemens	J 1049	56 49 590	
19	Video mixer	MPE	2000 Pro	55 36 110	
20	Video multiplexer	VMP	150/3	55 36 979	
21	MPS multi power supply	Artesyn	SMM / 150	30 82 179	
22	Audio amplifier	Siemens	J 1049	55 36 086	
23	Light control	Siemens	J 1049	55 36 201	
24	CAN branch	Siemens	J 1049	56 50 507	
25	CAN branch	Siemens	J 1049	56 50 507	
26	Infrared booster	MID	Remoboost 3	55 36 177	
27	Separation module	Siemens	J 1049	59 01 702	
28	15" grip module	Siemens	J 1049	55 36 557	

Name	Date	Initials
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Options - Serial No.

Item	Component	Manufacturer	Type	Order No.	Serial No.
1	PAL video printer	Sony		51 43 263	
2	PAL video recorder	Sony /		51 43 115	
3	Support arm system 2 (Ondaspace)	Ondal		55 36 268	
4	MTS basic kit	Haseke		55 36 243	
5	Cable set for MTS support arm 2 (VK5/2)	Siemens		55 36 383	
6	2nd TFT 18" image monitor	Siemens		55 36 078	
7	2nd 18" grip module	Siemens		55 36 540	
8	3rd TFT 18" image monitor	Siemens		55 36 078	
9	3rd 18" grip module	Siemens		55 36 540	
10	2nd TFT 15" menu monitor	Siemens		55 36 060	
11	2nd 15" grip module	Siemens		55 36 557	
12	OR light 1	_____			
13	OR light 2	_____	_____		
14	Endo light source				
15	Endocamera				
16	Insufflator				
17	RF device				
18	Suction pump				
19	OR table				
20					
21					
22					
23					
24					

Tab. 1 Table B with title cells

Name	Date	Initials
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Chapter 2 Required documentation				o.k.
Remarks:				
Chapter 4 Modality	Modernizati on	Restoration	New construction	o.k.
Remarks:				
Chapter 4 Delivery inspection				o.k.
Remarks:				
Chapter 4 Onsite preparation				o.k.
Remarks:				
Chapter 5 Wiring	Above	Rear		o.k.
Remarks:				
Chapter 5 Ceiling anchor	Prepared	Installed		o.k.
Remarks:				
Chapter 6 Support arm I	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 6 Support arm II	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 1 Table D with title cells

Name	Date	Initials
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Chapter 7 Electronics cabinet	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Activation module	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Cable routing	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Labels	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Power supply unit	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Install UPS	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Label PSU	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Cabling	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Device positions	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 2 Table D with title cells

Name	Date	Initials
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Chapter 7 Connecting the PSU	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Device installation	Label: . Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Set of internal cables	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Device connections	Label: n.a. Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 PC connections	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Light control	Label: . Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 7 Intercom	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 8 Ceiling-mounted supply arm	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 3 Table D with title cells

Name	Date	Initials
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Chapter 9 Device box	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 Labeling	Label: . Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 Infrared booster	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 Separation module	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 PS 12 V power supply	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 CAN – branch	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 CAN cabling	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 Accessories	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 9 Ext. connections	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 4 Table D with title cells

Name	Date	Initials
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Chapter 9 IP components	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 MTS	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 Installation of support	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 Height adjustment	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 Image monitor	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 Menu monitor	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 10 Grip module	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 11 Concluding steps for support arms	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 5 Table D with title cells

Name	Date	Initials
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Chapter 12 Concluding steps	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Cable inspection	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Function test of support arm system	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Function test of Device box	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Function test of OR lights	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Function test of Gas monitor	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				
Chapter 12 Function test of Covers	Label: Ser. No.	PE:	M/S:	o.k.
Remarks:				

Tab. 6 Table D with title cells

Name	Date	Initials
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Chapter 12 Function test of End stop ES				o.k.
Remarks:				
Chapter 12 Protective conductor inspection		PE:		o.k.
Remarks:				
Chapter 12 Cleaning				o.k.
Remarks:				
Chapter 12 Installation protocol				o.k.
Remarks:				
Chapter 13 List of labels				o.k.
Remarks:				

Tab. 7 Table D with title cells

Name	Date	Initials
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Name	Date	Initials
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Remarks on the installation of SIOS Serial No. _____

[illegible]

Add additional pages as necessary; indicate number of additional pages here.

Name	Date	Initials
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This document confirms the system transfer to the responsible Siemens project manager. Installation has been completed in accordance with the contract; any additional or follow-up work is noted in the "Comments" section (of this protocol). The SIOS system can be started in the form listed in the protocol.

SIOS Serial No. : _____

Customer: _____

Room designation (OR) : _____

Location (city): _____

Country : _____

Date: _____

Name of Installer

Signature

Name of Siemens Project Manager

Signature

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